

Solid Waste Management Plan

City of Fairfax

Public Hearing

November 10, 2015



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AGENDA



**Solid Waste
Planning**



**Public
Participation**



**Implementation
Plan**



**Highlighted
Actions**



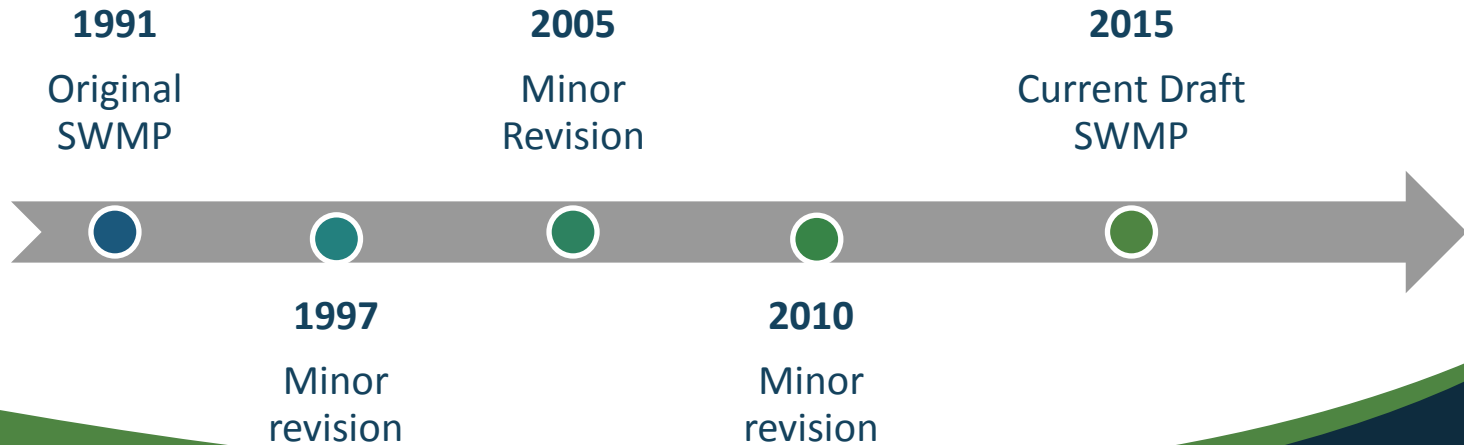
Next Steps

SOLID WASTE PLANNING



Solid Waste Management Plan (SWMP)

- 20 year strategic plan
- Virginia Administrative Code 9 VAC 20-130-10 et seq.



City of Fairfax Waste Streams



**Refuse and
Recycling**



**Construction and
Demolition Debris**



Industrial Waste

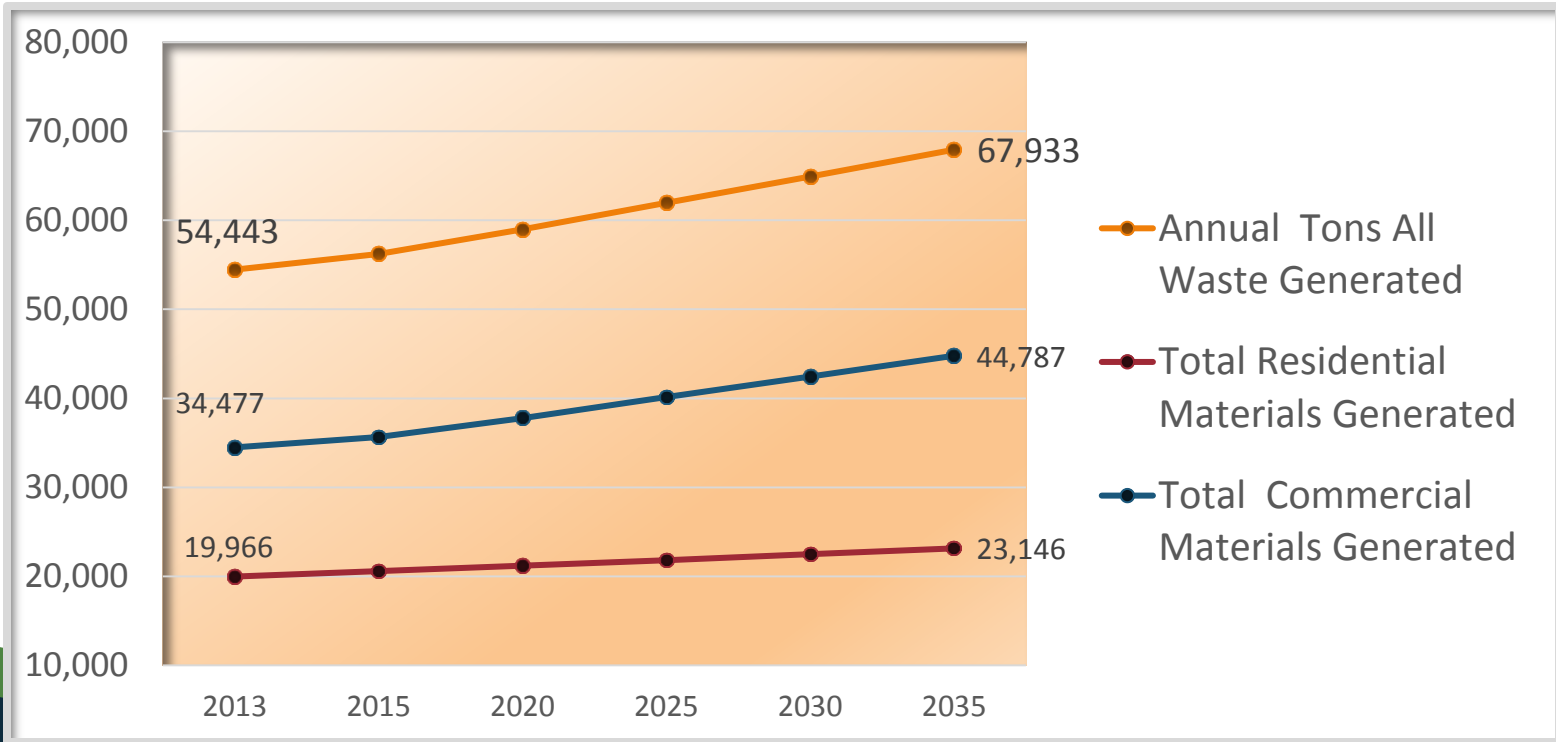


Vegetative Waste

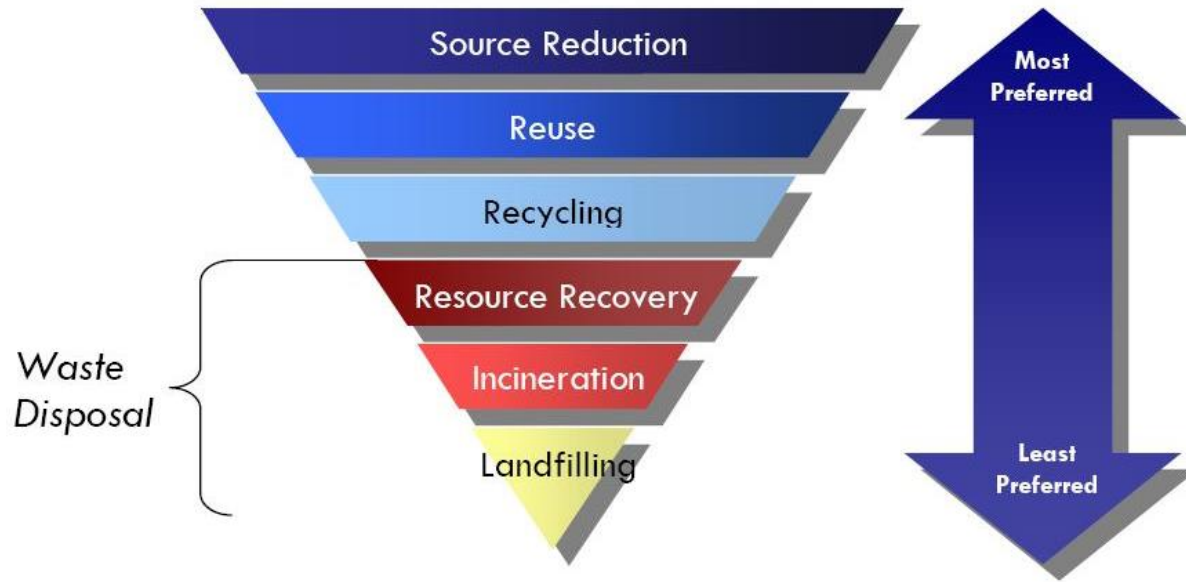


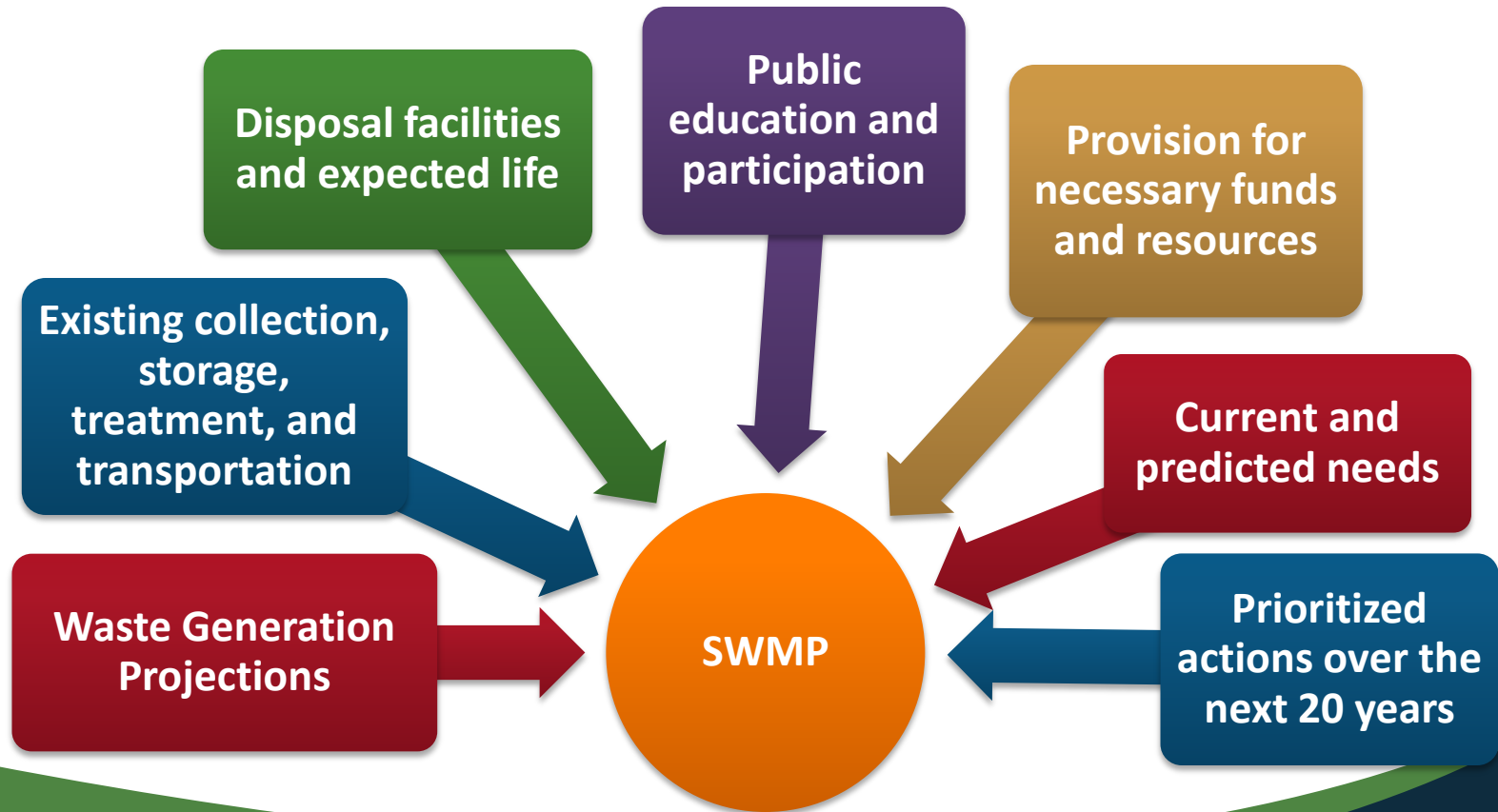
Special Wastes

City of Fairfax Waste Generation Projections



U.S. EPA Waste Management Hierarchy





The SWMP process set and achieved these intentions:

Consider best practices

Develop options for all elements and materials

Engage stakeholders in the process and the plan

Have positive and lasting impacts

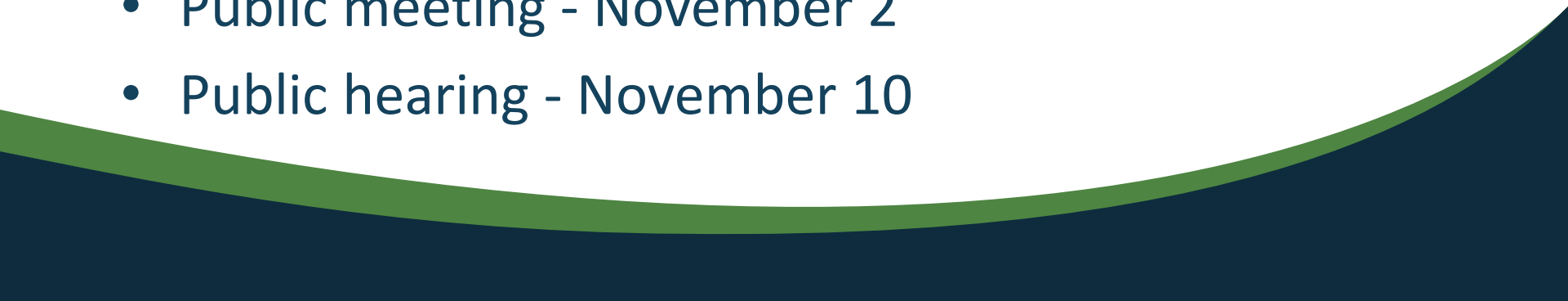
Provide and plan for capacity and diversion

Serve the needs of the City, its residents, and its businesses


PUBLIC PARTICIPATION



SWMP Public Participation

- Solid Waste Management Plan Advisory Committee
 - Survey of City residential curbside customers
 - Promotions and features in electronic and print communications
 - Public meeting - November 2
 - Public hearing - November 10
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Solid Waste Management Plan Advisory Committee Recommendations



The City should pursue waste reduction and recycling with City businesses and multi-family developments.

Need to gather and analyze solid waste and recycling data to drive decisions for the City's Solid Waste Program.

Encouraged the City to be a leader, innovator, and incubator for sustainability practices.

Survey Results Highlights



80% said their recycling bin was always full on collection day



72% said wheeled carts would be helpful



60% said free home composting bins would motivate them to compost

IMPLEMENTATION PLAN



Turning Goals into Actions

Goals (6)

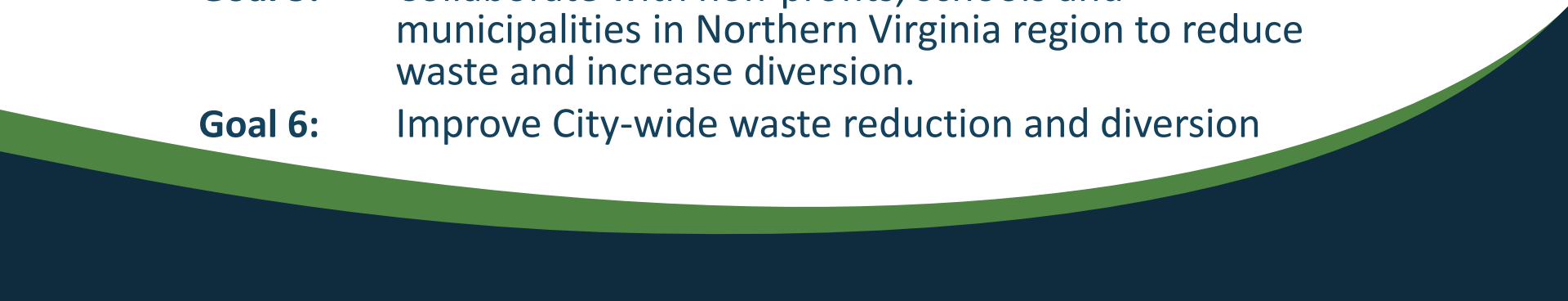


Objectives(23)



Actions (65)

SWMP Goals

- Goal 1:** Lead by example. Reduce waste and increase diversion by City of Fairfax government.
 - Goal 2:** Reduce waste and increase diversion from detached homes and townhouses.
 - Goal 3:** Reduce waste and increase diversion from commercial, multi-family and institutional entities.
 - Goal 4:** Reduce waste and increase diversion from development projects.
 - Goal 5:** Collaborate with non-profits, schools and municipalities in Northern Virginia region to reduce waste and increase diversion.
 - Goal 6:** Improve City-wide waste reduction and diversion
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Goal 1: Lead by example. Reduce waste and increase diversion by City of Fairfax government.



Objectives:

1. Develop and implement a waste reduction and recycling education and incentive program for the City staff by 2017
2. Implement a sustainable procurement program by 2017
3. Update the Public Facilities Manual by 2018 to reduce construction waste
4. Fully implement recycling in City parks by 2020
5. Provide best practice access to recycling in public spaces by 2022

Goal 2: Reduce waste and increase diversion from detached homes and townhouses.



Objectives:

1. Maintain City curbside collection program services for single family homes
2. Annually provide exceptional curbside collection service by meeting or exceeding performance measures
3. Annually educate residents that receive curbside collection services about recycling, waste reduction and the City's solid waste services starting in 2017
4. Decrease single family/townhouse residents' per capita waste generation to five hundred (500) pounds per person, per year by 2035

Goal 3: Reduce waste and increase diversion from commercial, multi-family and institutional entities



Objectives:

1. Establish a baseline of commercial waste and recycling data by 2017
2. Develop and implement a commercial outreach and education program by 2018
3. Increase baseline commercial recycling rate by 15% by 2035

Goal 4: Reduce waste and increase diversion from development projects



Objectives:

1. Update solid waste management regulations by 2018
2. Connect the audit and management of proper waste management systems with the building permit process by 2021
3. Develop and implement incentives for developers to reduce and recycle waste by 2025

Goal 5: Collaborate with non-profits, schools and municipalities in Northern Virginia region to reduce waste and increase diversion

Objectives

1. Regularly attend regional solid waste management meetings
2. Develop and implement a waste reduction and recycling education program for City of Fairfax public school students by 2017
3. Partner on at least one waste reduction and/or recycling project, annually, beginning in 2018



Goal 6: Improve City-wide waste reduction and diversion




Objectives

1. Develop and update City-wide information on waste reduction and recycling, annually, beginning in 2015
2. Integrate waste reduction into the City legislative agenda beginning with 2017 General Assembly session
3. Evaluate and improve the services provided at the Property Yard Recycling Center beginning in 2017
4. Develop and maintain a City-wide solid waste and recycling database by 2020
5. Develop and implement a City-wide composting program by 2020

HIGHLIGHTED ACTIONS

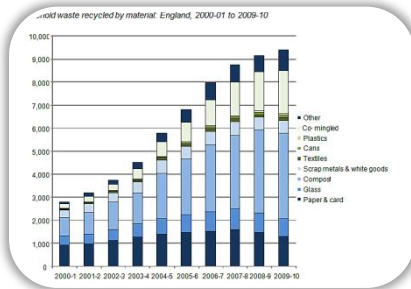


Solid Waste and Recycling Coordinator

- Position is critical for the implementation of SWMP
 - 0.5 Full Time Equivalent (FTE)
 - Grade 23, \$34,338 to \$53,270 annual compensation (FY16)
 - The City is currently the only jurisdiction in Northern Virginia without a full-time designated Solid Waste & Recycling Coordinator
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Solid Waste and Recycling Coordinator

- Responsibilities include, but not limited to:
 - Develops, implements and maintains all solid waste programs as required in the SWMP;
 - Updates solid waste regulations and policies;
 - Administers contracts and agreements;
 - Performs lead enforcement role for City's solid waste regulations and policies;
 - Partners with surrounding jurisdictions;
 - Develops grant applications; and
 - Tracks solid waste and recycling tonnages and prepares state required reports.



2016: Refuse Recycling Database



2017: Education and Outreach Programs



2017: Sustainable Procurement Program



2017: Update Solid Waste Regulations



2018: Rolling Carts for Curbside Recycling



2020: Recycling Bins and Services at all City Parks




2020: Free or reduced price composting bins

NEXT STEPS



Next Steps

- Formal approval of SWMP by City Council
 - Final edits and production
 - Submission to the VA Department of Environmental Quality
 - Staff Solid Waste and Recycling Coordinator
 - Implement SWMP
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Questions? Thank you!

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